

GENTEX[®]

MASK LIGHT AMPLIFIED MIC

QUICK REFERENCE GUIDE



1002682-00 REV A

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INSTALLATION

Follow these steps to install the Mask Light Amplified Mic.
For removal, reverse the order of operations.

1

Align the external assembly such that the screws match with the two outer holes on mask.

NOTE: Do not remove rubber cover.



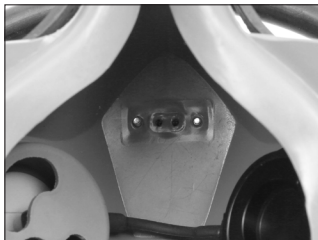
2

Using two fingers to hold the screws in place push the external assembly into the mask.



3

Push through until the screws protrude from inside the mask making sure to keep pressure on the screws into step 4.



4

Orient the internal assembly such that it bends over the top and the switch will be at the bottom of the mask cavity when installed. Align the internal assembly pins to match the inner holes in the mask.

**5**

Press the internal assembly into place until the push pins snap together.

**6**

Tighten the Phillips screws until the external and internal assemblies are securely in place (Torque: 15in-oz).



INSTALLATION (CONTINUED)

7 Rotate rubber cover and press fit. Connect microphone download.

8 Test the microphone using the Gentex Oxygen Mask, Regulator, Helmet, and Communications Test Set or other microphone test equipment



OPERATION

Follow these steps to operate the Mask Light Amplified Mic.

POWER ON/OFF

Use tongue switch to toggle the LED on and off.

LED BRIGHTNESS

Press and hold the tongue switch to cycle through the three (3) brightness settings low, medium and high.

INSPECTION & MAINTENANCE

This section contains instructions for organizational inspection and maintenance of the Mask Light Amplified Mic.

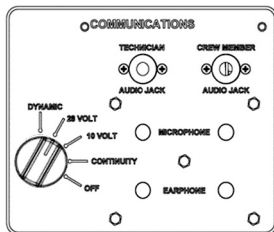
- 1 Perform the inspections listed in Table 1 each time the Mask Light Amplified Microphone requires inspection

Table 1 – Inspection and Maintenance

Step	Nomenclature	Inspect For	Repair
1	External Assembly	Cuts, punctures, tears, deterioration or dirty surfaces, proper seating of power cord strain relief, bent pins in connector	Clean or replace as necessary
2	Internal Assembly	Proper operation, damage, foreign matter	Clean or replace as necessary
3	Communications/ Power Cord Assembly	Cracks, breaks or damage, loose or bent connector pins, corrosion, condition of cord keeper, proper position on the breathing hose	If damage is found replace communications/ power cord assembly

- 2 To inspect the operation of the microphone, follow the instructions for the communication test set available for 28 VDC Electret Amplified microphones

- 3 To inspect the operation of the light, connect the oxygen mask communications cable to an appropriate communications test set configured for 28 Volt operation. Actuate the lip/tongue lever switch to ensure proper on/off function.



TROUBLESHOOTING

This section contains the most common problems that can occur with the Mask Light Amplified Mic along with probable causes of malfunction and recommended corrective actions.

Table 1 – Inspection and Maintenance

Item	Problem	Probable Cause	Remedy
1	Mask Light will not turn on or off	Loose or broken or not properly connected connections	A. Ensure good connection, through proper torque of the two mounting screws B. Replace communications / power cord assembly
2		Momentary switch on microphone inoperative	Replace internal assembly
3	Microphone is intermittent	Contacts not properly contacting	A. Verify continuity of communications / power cord assembly B. Tighten screws to proper torque
4	LED is intermittent	Contacts not properly contacting	A. Verify continuity of communications / power cord assembly B. Tighten screws to proper torque

REPLACEMENT PARTS

This section contains the part numbers for spare replaceable parts and kits for this product.

Part Number	Description
1001682-00	Mask Light Amplified Microphone Assembly
1001682-02	External Assembly, Mask Light Amplified Microphone Replacement Kit
1001682-01	Internal Assembly, Mask Light Amplified Microphone Replacement Kit
1002682-00	Quick Reference Guide, Mask Light AM

